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[A Three-Level Control Architecture For Autonomous Vehicle.. - Miura, Ito, Shirai \(1997\) \(Correct\)](#)
 level should be investigated more actively for realizing intelligent vehicles that can maneuver safely with a reactive control of a vehicle in a short time cycle 2) the tactical level decides proper driving simulator in various traffic scenarios simulation results show the feasibility of the
www-cv.ccm.eng.osaka-u.ac.jp/members/jun/psfiles/itsc97.ps.gz

[PCR-Assist CBR for Delivering Pre-Recorded MPEG-2 Transport .. - Du, Hsieh, Lee, Chang \(Correct\)](#)
 Note that even though these curves are derived from real MPEG-2 traces. The curve and data used here are PCR-assist Dual-Rate CBR (PDCBR)They utilize the time stamps inserted by the encoder to regulate the side. In this paper, we study two new CBR transmission schemes, called PCR-assist CBR (PCBR) and
ftp.cs.umn.edu/dept/users/hsieh/PCR-Assist.ps

[Lower Bounds for Linear Satisfiability Problems - Erickson \(1997\) \(Correct\)](#)
 some fixed linear equation in r variables, given n real numbers, do any r of them satisfy the equation? problem can be solved in $O(n r^1/2)$ time when r is odd, or $O(n r^2 \log n)$ time when r is
 1987. 14] H. Edelsbrunner and E. P. Mucke. **Simulation of simplicity: a technique to cope with**
compgeom.cs.uiuc.edu/~jeffe/pubs/linsat.ps.gz

[Example-Based Head Tracking - Niyogi, Freeman \(1996\) \(Correct\) \(6 citations\)](#)
 We show reasonable experimental results for a real-time prototype running on an inexpensive
 We show reasonable experimental results for a real-time prototype running on an inexpensive workstation. 2
freeman@merl.com From: IEEE 2nd Intl. Conf. on Automatic Face and Gesture Recognition, Killington, VT,
www.merl.com/reports/TR96-34/TR96-34.ps.gz

[An Optimal Ray Traversal Scheme for Visualizing Colossal.. - Law, Yagel \(1996\) \(Correct\) \(1 citation\)](#)
 of educational value to anatomical visualization. Real time or interactive software rendering of such sometimes stored in a compressed form. At rendering time, parts of the volume are requested by the
www.cis.ohio-state.edu/volviz/Papers/1996/colossal.ps.gz

[Kernel-Level Threads for Dynamic, Hard Real-Time.. - Humphrey, Wallace.. \(1995\) \(Correct\) \(3 citations\)](#)
 Kernel-Level Threads for Dynamic, Hard Real-Time Environments Marty Humphrey, Gary Wallace
counter.cs.umd.edu/~rich/courses/cmsc818G-s98/papers/spring_kernel.ps

[On the Calculation of Time-Varying Stability Radii - Wirth \(1998\) \(Correct\)](#)
 which system (1) becomes unstable. Both the case of real and complex perturbations were considered. The On the calculation of time-varying stability radii Fabian Wirth Institut fur
 for computation of the real stability radius. Automatica, 31:879-890, 1995. 27] J. Sreedhar, P. Van
www.mathematik.uni-bremen.de/~fabian/work/Archive/TVStabrad.ps.gz

[The Complexity of Automated Reasoning - André Vellino \(1989\) \(Correct\) \(6 citations\)](#)
 should be given to it. For any fixed interval of real numbers we can find a polynomial function whose emulate human thinking. What was not known at the time was that the problem of producing short proofs for the relative complexity of proofs produced by the automatic theorem proving procedures of analytic
ai.iit.nrc.ca/~andre/Vellino_Thesis.ps.gz

[Implementation Of A Parallel Processing.. - Goulard, Mayrand, .. \(Correct\)](#)
 New Brunswick, E3B 5C8, Canada Abstract Realization of an Integrated Remote Monitoring and processing architecture to provide close-to-real-time data validation assistance to plant personnel. more sophisticated and complex, the need for automatic operation of equipment, both for process
www.crm.umontreal.ca/~physnum/WEB_OLD/Physnum//pub/parallel/rt93.ps.Z

[Low-complexity Video Coding for Receiver-driven Layered .. - McCanne, Vetterli, Van .. \(1997\) \(Correct\) \(49 citations\)](#)
 whiteboard conferencing applications. Because these real-time media are transmitted at a uniform rate to conferencing applications. Because these real-time media are transmitted at a uniform rate to all the solution for scalable multicast video transmission in heterogeneous networks. In addition to a
www.cs.berkeley.edu/~mccanne/papers/mccanne-jsac97.ps.gz

A Framework For The Optimization Of Discrete Event.. - Joshi, Unal, White.. (1996) (Correct)

arrival, queues, and teller service and idle times, through appropriate probability distributions.

A Framework For The Optimization Of Discreteevent Simulation Models B. D. Joshi R. Unal N. H.

With the growing use of computer modeling and simulation, in all aspects of engineering, the scope of techreports.larc.nasa.gov/pub/techreports/larc/96/NASA-96-17asem-bdj.ps.Z

Interactive Computational Models of Particle.. - Canfield.. (Correct)

Models Of Particle Dynamics Using Virtual Reality Tom Canfield, Darin Diachin, Lori Freitag, and see the results of those changes in real time. Unfortunately, the computations involved in a in this article is the immersive Cave Automatic Virtual Environment (CAVE) developed at the info.mcs.anl.gov/pub/tech_reports/reports/P609.ps.Z

A Dynamic Network of Hybrid Automata - Göllü, Varaiya (1994) (Correct)

is a language used for formal specification of real-time, interactive, distributed systems. SDL from these surrounding vehicles. At any given time the list of vehicles with which a given vehicle Eskafi, Delnaz Khorramabadi, and P. Varaiya, An Automatic Highway System Simulator" Transportation www-path.eecs.berkeley.edu/~gollu/Papers/aisp96.ps

Discrete-Time Priority Queues with Two-State Markov Modulated.. - Khamisy, Sidi (1992) (Correct)

is denoted by α_1 , where $\alpha_1 \neq 1$ and is a real number (otherwise if (16) has a zero of order 2

Discrete-Time Priority Queues With Two-State Markov Modulated

to as slots. The slots correspond to the transmission time of a packet, and all packets are assumed

www.cse.ucsc.edu/~rom/moshe/PUBS/m_sidi_priority_92.ps.gz

An Analytic Model for ATM Network Performance and its.. - Karimi, Skillicorn (1997) (Correct) (1 citation)

AAL protocols: ffl AAL 1, which supports real-time, constant bit rate, connection-oriented

g, the permeability of the network, and λ , the time required for barrier synchronisation. Networks

model, we model the pipelining method for data transmission from the processor to the network. ffl

www.cs.queensu.ca/TechReports/Reports/1997-414.ps

Viewing A Program Transformation System At Work - Paige (1994) (Correct) (14 citations)

simulates associative access on a sequential RAM in real-time [44,11,15] The result is a way to implement

source lines per second) that is at least five times greater than a conventional approach in which C

development methodology makes use of fully automatic, generic program transformations that capture

cs.nyu.edu/cs/faculty/paige/papers/viewing.ps

A High-performance Endsystem Architecture for Real-time CORBA - Douglas Schmidt (1997) (Correct) (43 citations)

A High-performance Endsystem Architecture for Real-time CORBA Douglas C. Schmidt, Aniruddha Gokhale,

www.infosys.tuwien.ac.at/Research/Corba/archive/special/IWOOS-96.ps.gz

Towards a DNA Solution to the Shortest Common Superstring .. - Gloor, Kari, Gaasenbeek, .. (1998) (Correct) (3 citations)

consequently large instances cannot be solved in real-time by electronic computers. In fact, the

that act on all the DNA molecules at the same time. These recombinant bio-operations may be used to

chan.csd.uwo.ca/~lila/short.ps

Access as a Means of Configuring Cooperative Interfaces - Smith, Rodden (Correct)

techniques and architectures which support the real time presentation of these interfaces. The

techniques and architectures which support the real time presentation of these interfaces. The majority of

www.buva.sowi.uni-bamberg.de/ps-Sammlung/literatur/lancaster/CSCW.6.93.ps.Z

RT-IPC: An IPC Extension for Real-Time Mach - Kitayama, Nakajima, Tokuda (1993) (Correct) (10 citations)

RT-IPC: An IPC Extension for Real-Time Mach Takuro Kitayama 1 Tatsuo Nakajima

www.cs.cmu.edu/afs/cs/project/rtmach/public/papers/ ipc93.ps

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Hierarchical Modelling and Analysis of Embedded Systems - Altar, Dant, Esposito... (2003) (Correct) [7 citations]

paper describes the modeling language CHARON for modular design of interacting hybrid systems. The a unified object-oriented language for system modelling and simulation. In ECOOP '98: The 12th European (see www.rational.com) that support modelling, simulation, and code generation, and are increasingly www.seas.upenn.edu/~pappas/papers/IEEE02.ps.gz

The Use of A Scale Vehicle Testbed for Controller Design and ... - Breitman, Allsyyne (2001) (Correct)

[10] E.J. Heitzman and E.F. Heitzman, Topsy - a modular chassis parameter measurement system. Society and control community is to validate detailed simulation results using a full-sized vehicle. For tested has been developed for use as an evaluation tool to bridge the design gap between simulation mr-robotic.me.uiuc.edu/sunbrema/NebrJ/PUBLICATIONS/JOURNALs/2001_CSIM_SUBMISSION.PDF

Integrated, Feed-Forward Hybrid Electric Vehicle ... - Lin, Filippi, (2001) (Correct)

Inc. ABSTRACT A hybrid electric vehicle simulation tool (HE-VESIM) has been developed at the Automotive Inc. ABSTRACT A hybrid electric vehicle simulation tool (HE-VESIM) has been developed at the Automotive vehicle system simulator, and its use for evaluation of power management strategies aimed at www-personal.engr.umd.edu/~hpeng/SAE2001_1in.pdf

Design and Evaluation Tools for Automated Highway Systems - Deshpande, Varaiya (1995) (Correct) [5 citations]

also design and evaluation and give a summary of simulation and analysis tool needs. In section 3 we Design and Evaluation Tools for Automated Highway Systems Akash Deshpande www.path.berkeley.edu/~parunak/lnw95.ps

What can Agents do in Industry, and Why? - An Overview of. - Parunak (1998) (Correct) [1 citation]

agents are best suited for applications that are modular, decentralized, changeable, ill-structured, and areas: coordination of industrial designers, simulation and modeling of complex products and processes, many other products, including appliances, machine tools, and aircraft. 1.2 Supply Networks Modem www.erim.org/~parunak/lnw98.ps

A Fault Tolerance Extension to the Embedded CORBA for the. - Jeon, Kim, Hong, Kim (Correct)

To have the same port number and helps increase modularity in software design and maintenance. As the Power Windows Fcu Airbag Fcu Power Locks Fcu Powertrain Enc Body Enc Can Engine Control Fcu connections. This assumption may lead to a performance problem since it is inecient to simply send [166/104/226/70/~kim/daem/sorco0.ps](http://boncogm.dcl-wilberg/desktop/paper/Case_DAEM/Tex/doc_DinA4.ps.Z)

VLM Processor Codesean for Video Processing - Wilberg, Campasano (1987) (Correct) [7 citations]

i.e. nearly 3 orders of magnitude smaller. 2. Simulation times: See [1] for a comparison of simulation 4 presents the implementation of the design tools. Section 5 summarizes the analysis results: 1-1. the application domain. But the designer needs evaluation data which show the quality of the boncogm.dcl-wilberg/desktop/paper/Case_DAEM/Tex/doc_DinA4.ps.Z

Resource-Conscious Customization of CORBA for CAN-based. - Kim, Jeon, Hong, Kim,.. (2000) (Correct) [3 citations]

Fcu Fcu Instrum. Door Audio Fcu Fcu Body Enc Powertrain Enc Actuators Controllers Intelli-Sensors than to do so with a single high performance microprocessor. Second, a distributed embedded [166/104/226/70/~kim/daem/sorco0.ps](http://166.104.226.70/~kim/daem/sorco0.ps)

A Hypothrough Framework For Optimal Model-Based. - Michelena, Panalambros (1997) (Correct) [2 citations]

solution techniques for individual subproblems, modularity in parametric studies, and multicriteria empirical data and expressed as computational simulations. Optimization methods have been successfully Tasks in Complex Design Projects: Development of Tools to Represent Design Procedures in Proceedings ode.engin.umd.edu/papers/COAP552-95.pdf

Configuration as Composite Constraint Satisfaction - Saitin, Freuder (1996) (Correct) [11 citations]

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for the configuring of technical systems from modular components. In Proceedings of the Seventh IEEE Preliminary Work toward a knowledge-acquisition tool. In Marcus, S. ed. Automating Knowledge fp.cs.uni.edu/publicsp/Papers/JanShan98-1s1.ps.gz

Vehicle Modeling and Simulation in the Duisburg. - Adamski, Beidini, Bertram (Correct)

simulations specifications based on models modular design synchronized design changes hardware by capacitors, the inertia of the fluid can be modelled as inductances and the friction as either Vehicle Modeling and Simulation in the Duisburg. Order: relevance to query. www.mechatronik.uni-duisburg.de/wardr/~romando/papers/2005/ir-01-2005.pdf

The Diagnostic Architecture of the PEGASUS Project. Car - Petri, Obermaisser, Pauflitsch (2005) (Correct) asessment over time is necessary. The repeated evaluation of evidence gathered by ONAs provides the cost and to improve reliability and system performance [10, 11] in order to adopt CBM for electronic www.vmti.tuwien.ac.at/~romando/papers/2005/ir-01-2005.pdf

Hybrid Tracking Control for Smart-Ignition Engines - Balluchi, Bicchi, Caterini, ... (2000) (Correct)

feedback is demonstrated analytically and by simulations on the full-fledged hybrid model. I

In this case, the overall hybrid model of a powertrain equipped with a 4-cylinder in-line engine is of the hybrid modeling of the engine, higher performances of the closed-loop system can be achieved. To www-cad.eecs.berkeley.edu/Resps/Research/avses/paper2005/Balluchi_cdc0.pdf

Information Interface To The Scheduling Level Of A Hard Real-Time. - Larsson (1997) (Correct)

The suitability of using the formal verification tool UPPAAL [2, 3] for verification. The verification setup used in our experiments. The following simulations are conducted and evaluated: Consistency data freshness notion. The performance evaluation shows that the proposed updating scheme and project is done in collaboration with Fiat-GM Powertrain, and externally, i.e. between tasks in www.ida.liu.se/~rslab/publications/2004/gustafsson_sac.pdf

Hybrid Systems and the Design of Embedded. - Balluchi, ... (1998) (Correct)

provided the X-Mat environment to carry out the simulation, for specific integrated circuits, and together with an engineering spreadsheet tool is highly desirable and is being developed in and a continuous time sub-system modeling the powertrain behavior. It is then the plant to be controlled www-cad.eecs.berkeley.edu/Resps/Research/avses/paper1998/Balluchi_cdc8_1.pdf

A Hybrid Observer for the Driveline Dynamics. - Balluchi, Benturli, Di, ... (2001) (Correct)

model [11] supported by a comprehensive set of simulations and experimental data, we concluded that, for www-cad.eecs.berkeley.edu/Resps/Research/avses/paper2001/Balluchi_Eco1.pdf

Agent-Based Modeling vs. Equation-Based Modeling: A Case... - Panunak, Savit, Riojo (1998) (Correct) [2 citations]

ABM and EBM has consequences for how models are modularized. EBM's represent the system as a set of PA, Agility Forum, 1991, 11] S. Omohundro. Modelling Cellular Automata with Partial Differential execution consists of evaluating them. 1 Thus "simulation" is the general term that applies to both www.erim.org/~parunak/mabs98.pdf

A Design Example Using CASTLE - Plöger, Wilberg (Correct)

Section 3 describes the compilation and simulation of an application program, section 4 presents

codecs platform which provides a number of design tools for configuring application specific design

in [7] Hu, et. al[9] present the design of a powertrain module, an example of an automotive acifaraz.gmfd.de/34/22/~paul/word/dmms95dmms95.ps

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Modular modelling and simulation tool for evaluation of powertrain performance - group of

4.2 Eriksson, B. Jacobson - International Journal of Vehicle Design, 1999 - Inderscience
... within a certain physical domain, eg ADAMS and DADS ... the same vehicle, a passenger
car with automatic transmission ... in Section 4.2 was used in the simulation. ...

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Klaassen, BG Vrieling, B Bonsen, KGO van de ... - Proceedings of IFAC, 2004 - male.tue.nl
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